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INTRODUCTION

This report is an effort to provide a baseline of data for review of trends and patterns from year to year, and to improve efforts to describe and monitor the overall patterns of services among areas, regions, and the state. It is primarily directed to Central Office staff but may also be of interest and use to the area programs. It summarizes certain data provided by the area programs. The data is based on client data compiled from the **Form B Identification/Face Sheet** and the **Diagnostic Form (DMH/DD/SAS 601-1-90 Revised)**. There is one table that reflects data reported by Area Programs based on their **LOE Forms (DMH/DD/SAS 3000-2-94)**.

FIGURE 1

**SELECTED INDICATORS AND PERCENT CHANGE OVER TIME
STATE TOTALS, FISCAL YEAR 1999, 1994, 1989**

INDICATORS	FISCAL YEAR			PERCENT CHANGE
	FY99	FY94	FY89	FY99 vs. FY94
Active Caseload Start of Fiscal Year	219,100	131,274	83,220	66.9%
Total Admissions	105,981	93,893	80,841	12.9%
Total Terminations	111,730	70,962	70,397	57.5%
Active Caseload End of Fiscal Year	213,351	154,205	93,664	38.4%
Persons Served	325,081	225,167	164,061	44.4%

Note: Persons Served data for FY99 excludes clients on inactive status

There are noticeable increases in all five of the indicators when comparing fiscal year 1999 and fiscal year 1994 data. With area programs not terminating clients as often, the rise in active caseload (66.9%) was the contributing factor to the increase in total persons served (44.4%).

TABLE I

“Client Activity and Utilization” (Table I) reflects admission rates, active caseload at the beginning of the fiscal year, total admissions, terminations and the total number of person served by area and region. There were 219,100 active cases on July 1, 1998 and 105,981 total admissions (first and readmissions combined) during the fiscal year. A total of 325,081 persons were served during fiscal year 1999 as indicated by adding first admissions to the active cases (excluding those on Inactive Status) on July 1, 1998. Graph 1 depicts the number of clients served at the Area Programs for the last ten years. There has been a consistent increase during the ten-year period.

Across the four regions admissions ranged from a low of 20.9 percent in the South Central Region to a high of 35.8 percent in the Western Region. The remaining regions averaged approximately 22 percent of admissions.

Admission rates reflect the total number of admissions to an area program during the fiscal year per 100,000 population in the catchment area. Admission rates are useful in that they allow comparisons among geographic areas as well as special population subgroups by adjusting the effects of population size. Admission rates were selected instead of utilization rates because of their greater accuracy.

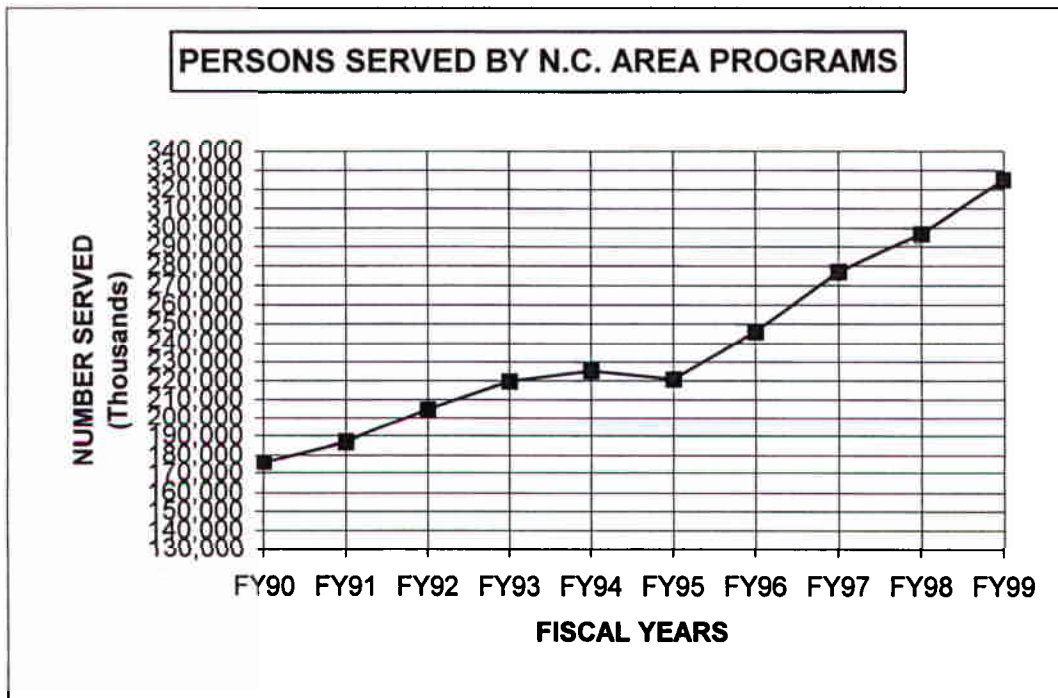
The statewide admission rate was 1,405 admissions per 100,000 population. The admission rate ranged from a low of 780 per 100,000 reported by Wake to a high of 2,416 per 100,000 population reported by Halifax.

TABLE I
CLIENT ACTIVITY AND UTILIZATION BY AREA
NORTH CAROLINA'S 39 AREA PROGRAMS
BY REGION, FY1998-99

AREA PROGRAM	ADMISSION RATE*	ACL 07/01/1998	TOTAL ADMISSIONS	TERMINATIONS	PERSONS SERVED
<u>WESTERN REGION</u>					
SMOKY MOUNTAIN	1,912	16,113	3,050	7,383	19,163
BLUE RIDGE	1,586	5,229	3,915	3,944	9,144
NEW RIVER	1,302	3,113	1,994	1,748	5,107
TREND	1,433	2,725	1,549	1,871	4,274
FOOTHILLS	843	5,779	1,944	1,870	7,723
RUTHERFORD-POLK	1,470	2,608	1,126	790	3,734
GASTON-LINCOLN	1,271	6,228	4,203	4,174	10,431
CATAWBA	1,974	2,660	2,588	2,617	5,248
MECKLENBURG	2,119	17,176	13,112	12,789	30,288
PIEDMONT	1,093	4,722	4,409	4,298	9,131
<u>N.C. REGION</u>					
SURRY YADKIN	1,799	8,124	3,828	3,967	11,952
FORSYTH-STOKES	1,187	7,219	4,331	1,360	11,550
ROCKINGHAM	1,849	2,242	1,672	790	3,914
GUILFORD	1,417	14,554	5,496	2,623	20,050
ALAMANCE-CASWELL	1,270	4,743	1,796	2,302	6,539
O-P-C	951	4,646	1,813	1,784	6,459
DURHAM	1,239	6,114	2,462	2,947	8,576
V-G-F-W	1,426	4,360	2,090	867	6,450
<u>S.C. REGION</u>					
DAVIDSON	1,363	2,533	1,934	1,909	4,467
SANDHILLS	1,492	3,724	2,930	3,051	6,654
SOUTHEASTERN REG.	1,865	6,725	4,323	2,860	11,048
CUMBERLAND	1,182	4,318	3,639	3,987	7,957
LEE-HARNETT	1,207	3,713	1,587	1,456	5,300
JOHNSTON	1,514	2,454	1,577	1,460	4,031
WAKE	780	5,911	4,480	3,296	10,391
RANDOLPH	1,355	6,915	1,639	121	8,554
<u>EASTERN REGION</u>					
SOUTHEASTERN	1,112	5,575	2,845	1,951	8,420
ONSLow	1,220	3,269	1,875	1,635	5,144
WAYNE	1,459	5,723	1,669	4,462	7,392
WILSON-GREENE	1,415	3,001	1,230	149	4,231
EDGEcombe-NASH	1,443	7,008	2,094	3,278	9,102
HALIFAX	2,416	2,744	1,409	1,398	4,153
NEUSE	1,010	11,059	1,721	7,408	12,780
LENOIR	2,200	2,734	1,320	1,424	4,054
PITT	1,860	3,231	2,291	2,072	5,522
ROANOKE CHOWAN	1,683	4,622	1,242	1,709	5,864
TIDELAND	2,159	4,644	1,994	2,189	6,638
ALBEMARLE	1,567	2,822	1,740	1,752	4,562
DUPLIN-SAMPSON	1,101	8,020	1,064	6,039	9,084
STATE TOTAL	1,405	219,100	105,981	111,730	325,081

* Rate per 100,000 N. C. Population (1999 Population Estimate.)
Admission Rate = Total Admissions / Population x 100,000.

GRAPH 1



This graph reflects the number of persons served by the 39 Area Programs for the time period FY1990 through FY1999. Beginning with FY94 the data reflected in Graph I excludes clients on inactive status which accounts for the drop in clients served. It is estimated in the next few years that increases in persons served will be reported as in previous years. Area programs no longer required to send in terminations on closed cases are the contributing factor to these increases.

A total of 325,081 clients were served by Area Programs during FY1999 representing an 85 percent increase over the 175,892 during FY1990.

TABLE II

Table II reflects the number of persons served in each of the Area Programs by age and disability. The age of the client was calculated as of 6/30/99 and the disability of the client was based on the DSM IV diagnosis assigned to the client.

A total of 325,081 persons were served in the Area Programs during FY99. The statistic, persons served is calculated by totaling the active caseload on July 1, of the fiscal year (excluding those clients on Inactive Status) and all admissions.

Of the 325,081 clients served, 67 percent (219,253) were mentally ill, 6 percent (18,163) were developmentally disabled, and 27 percent (87,215) were substance abusers. Within each disability the percent of children served (0-17) ranged from 5 percent (4,056) of substance abusers, to 45 percent (8,435) of the developmentally disabled. The percent of children served in the mental health category was 36 percent (78,185).

TABLE II
NUMBER OF PERSONS SERVED BY AGE DISABILITY
NORTH CAROLINA'S 39 AREA PROGRAMS
BY REGION, FY1998-99

AREA PROGRAM	PERSONS SERVED	MENTALLY ILL			DEVELOPMENTAL DISABILITIES			SUBSTANCE ABUSE		
		TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD
<u>WESTERN REGION</u>										
SMOKY MOUNTAIN	19,163	13,527	9,898	3,629	748	259	489	4,888	4,781	107
BLUE RIDGE	9,144	5,579	3,564	2,015	787	378	409	2,778	2,371	407
NEW RIVER	5,107	3,537	2,159	1,378	310	255	55	1,260	1,220	40
TREND	4,274	3,371	2,073	1,298	224	174	50	679	634	45
FOOTHILLS	7,723	5,561	3,846	1,715	462	347	115	1,700	1,668	32
RUTHERFORD-POLK	3,734	2,638	1,674	964	178	129	49	918	892	26
GASTON-LINCOLN	10,431	7,389	4,937	2,452	865	499	366	2,177	2,018	159
CATAWBA	5,248	3,384	2,162	1,222	278	162	116	1,586	1,507	79
MECKLENBURG	30,288	19,790	12,755	7,035	2,961	942	2,019	7,537	7,185	352
PIEDMONT	9,131	6,111	3,500	2,611	701	509	192	2,319	2,056	263
<u>N.C. REGION</u>										
SURRY YADKIN	11,952	9,595	6,875	2,720	312	190	122	2,045	1,964	81
FORSYTH-STOKES	11,550	6,235	3,589	2,646	594	391	203	4,721	4,471	250
ROCKINGHAM	3,914	2,722	1,266	1,456	185	121	64	1,007	937	70
GUILFORD	20,050	12,305	8,077	4,228	1,637	617	1,020	6,108	5,886	222
ALAMANCE-CASWELL	6,539	4,077	2,833	1,244	367	315	52	2,095	2,035	60
O-P-C	6,459	4,289	2,763	1,526	460	319	141	1,710	1,677	33
DURHAM	8,576	5,762	3,082	2,680	424	258	166	2,390	2,319	71
V-G-F-W	6,450	4,921	3,333	1,588	291	202	89	1,238	1,186	52
<u>S.C. REGION</u>										
DAVIDSON	4,467	3,045	1,939	1,106	206	155	51	1,216	1,127	89
SANDHILLS	6,654	4,178	2,123	2,055	297	215	82	2,179	1,841	338
SOUTHEASTERN REG.	11,048	8,069	4,913	3,156	506	372	134	2,473	2,412	61
CUMBERLAND	7,957	5,413	3,609	1,804	423	242	181	2,121	2,017	104
LEE-HARNETT	5,300	3,977	2,792	1,185	247	212	35	1,076	1,021	55
JOHNSTON	4,031	2,822	1,863	959	280	197	83	929	893	36
WAKE	10,391	5,918	3,641	2,277	821	408	413	3,652	3,510	142
RANDOLPH	8,554	6,069	3,794	2,275	237	170	67	2,248	2,162	86
<u>EASTERN REGION</u>										
SOUTHEASTERN	8,420	6,092	3,429	2,663	418	237	181	1,910	1,820	90
ONSLOW	5,144	2,796	1,892	904	467	163	304	1,881	1,851	30
WAYNE	7,392	4,566	2,386	2,180	175	99	76	2,651	2,595	56
WILSON-GREENE	4,231	3,264	2,074	1,190	288	171	117	679	644	35
EDGECOMBE-NASH	9,102	6,162	4,039	2,123	222	177	45	2,718	2,631	87
HALIFAX	4,153	3,098	2,080	1,018	194	150	44	861	842	19
NEUSE	12,780	8,399	6,322	2,077	667	265	402	3,714	3,644	70
LENOIR	4,054	2,883	1,141	1,742	130	86	44	1,041	870	171
PITT	5,522	3,649	2,164	1,485	211	123	88	1,662	1,506	156
ROANOKE CHOWAN	5,864	4,056	2,644	1,412	239	131	108	1,569	1,556	13
TIDELAND	6,638	4,511	3,105	1,406	235	178	57	1,892	1,852	40
ALBEMARLE	4,562	3,536	2,420	1,116	151	99	52	875	857	18
DUPLIN-SAMPSON	9,084	5,957	4,312	1,645	415	261	154	2,712	2,701	11
STATE TOTAL	325,081	219,253	141,068	78,185	18,613	10,178	8,435	87,215	83,159	4,056

TABLE III

This table reflects the number of persons served in each of the five types of state inpatient facilities: four Psychiatric Hospitals, Wilson Special Care Center, five Mental Retardation Centers, three Alcohol & Drug Abuse Treatment Centers, the Whitaker School at John Umstead and Wright School. Data on persons served is grouped by catchment area rather than county of residence.

A total of 23,343 persons were served in all state facilities combined. Two- percent (400) of these clients were considered "out-of-state" residents. There were 22,943 in-state clients.

Seventy-one percent of these clients were served in psychiatric hospitals, 1.1 percent were served by Wilson Special Care Center, 10.3 percent were served by Mental Retardation Centers, 16.8 percent were served by Alcohol and Drug Abuse Treatment Centers, 0.3 percent were served by Whitaker School at John Umstead and 0.4 percent were served by Wright School, and 0.3 percent were served by Butner ATC.

Utilization rates were calculated on each area's population. The overall state utilization rate was 304 per 100,000 population. Areas varied from a low of 124 per 100,000 to a high of 644 per 100,000 population.

FIGURE 2

PERSONS SERVED BY TYPE INSTITUTION BY REGION OF RESIDENT, FY1999									
REGION OF RESIDENCE	TOTAL PERSONS SERVED		PERSONS SERVED BY TYPE INSTITUTION						
	RATE	NUMBER	HOSP.	WILSON	MR CTRS	ADATC'S	WHITAKER	WRIGHT	BUTNER ATC
WESTERN	261	6,574	4,428	35	771	1,322	15	3	9
N. CENTRAL	387	6,174	4,541	50	679	819	17	43	25
S. CENTRAL	277	4,853	3,720	106	330	637	16	31	13
EASTERN	319	5,333	3,453	68	627	1,150	14	9	12
IN-STATE	N/A	22,943	16,142	259	2,407	3,928	62	86	59
OUT-STATE	N/A	400	393	0	2	5	0	0	0
TOTAL	304	23,343	16,535	259	2,409	3,933	62	86	59

Figure 2 presents this data grouped by each of the four regions. The Western Region had the lowest combined institutional utilization rate of 261 and the North Central Region had the highest rate (387 per 100,000).

TABLE III
NUMBER OF PERSONS SERVED IN INSTITUTIONS AND UTILIZATION RATE*
BY RESIDENTS OF EACH OF THE 39 AREA PROGRAMS
BY REGION, FY1998-99

AREA PROGRAM	TOTAL SERVED		PERSONS SERVED BY TYPE INSTITUTION						
	UTILIZ. RATE*	NUMBER	HOSPS.	WILSON SPEC.	MR CTRS.	ADATC'S	WHITAKER	WRIGHT	BUTNER ATC
<u>WESTERN REGION</u>		6,583	4,428	35	771	1,322	15	3	9
SMOKY MOUNTAIN	360	574	438	0	45	89	2	0	0
BLUE RIDGE	381	941	642	2	177	114	6	0	0
NEW RIVER	292	447	311	3	29	103	0	0	1
TREND	376	407	234	2	47	123	0	0	1
FOOTHILLS	400	924	698	8	85	128	3	1	1
RUTHERFORD-POLK	345	264	168	3	51	42	0	0	0
GASTON-LINCOLN	305	1,008	756	2	118	130	0	0	2
CATAWBA	124	163	87	1	36	38	1	0	0
MECKLENBURG	134	831	368	6	97	358	0	1	1
PIEDMONT	254	1,024	726	8	86	197	3	1	3
<u>N.C. REGION</u>		6,174	4,541	50	679	819	17	43	25
SURRY YADKIN	308	655	516	2	72	59	0	0	6
FORSYTH-STOKES	175	638	455	12	130	35	2	2	2
ROCKINGHAM	644	582	403	3	34	140	1	0	1
GUILFORD	320	1,240	996	8	140	83	1	10	2
ALAMANCE-CASWELL	132	545	403	5	66	63	3	2	3
O-P-C	352	672	420	1	69	165	4	11	2
DURHAM	568	1,129	859	10	78	164	3	10	5
V-G-F-W	486	713	489	9	90	110	3	8	4
<u>S.C. REGION</u>		4,853	3,720	106	330	637	16	31	13
DAVIDSON	222	315	211	10	34	55	0	2	3
SANDHILLS	346	679	435	14	48	172	4	4	2
SOUTHEASTERN REG.	205	476	336	11	61	66	2	0	0
CUMBERLAND	156	480	393	5	53	20	4	3	2
LEE-HARNETT	306	403	248	6	15	128	2	4	0
JOHNSTON	174	181	120	11	21	21	1	6	1
WAKE	344	1,978	1,794	40	78	51	3	8	4
RANDOLPH	282	341	183	9	20	124	0	4	1
<u>EASTERN REGION</u>		5,333	3,453	68	627	1,150	14	9	12
SOUTHEASTERN	373	955	528	3	88	334	1	0	1
ONslow	264	406	210	1	24	170	0	0	1
WAYNE	352	403	322	9	31	36	2	2	1
WILSON-GREENE	359	312	215	22	40	34	1	0	0
EDGEcombe-NASH	421	611	444	11	67	84	2	1	2
HALIFAX	273	159	95	3	23	32	2	1	3
NEUSE	291	496	349	2	65	76	2	0	2
LENOIR	432	259	184	0	43	31	1	0	0
PITT	414	510	303	7	54	143	1	1	1
ROANOKE CHOWAN	291	215	141	3	45	24	1	0	1
TIDELAND	417	385	292	4	55	31	1	2	0
ALBEMARLE	317	352	189	2	41	120	0	0	0
DUPLIN-SAMPSON	279	270	181	1	51	35	0	2	0
IN-STATE TOTAL	N/A	22,943	16,142	259	2,407	3,928	62	86	59
OUT-OF-STATE TOTAL	N/A	400	393	0	2	5	0	0	0
GRAND TOTAL	309	23,343	16,535	259	2,409	3,933	62	86	59

* Rate per 100,000 N. C. Population (1999 Population Estimate).
Utilization = Persons served x 100,000 Population.

TABLE IV

Table IV reflects the number of persons served by age, disability, and level. The primary disability, the age group and the level of the client was reported on the client's LOE form.

There were a total of 306,233 unduplicated LOE forms for clients served by the 39 Area Programs. Of these, clients with a completed LOE, 59 percent (180,695) had a primary disability of mental health, 11 percent (33,182) had a primary disability of developmental disability, and 30 percent (92,356) had a primary disability of substance abuse. These proportions approximate the percentage distribution of persons served based on diagnosis (Table II) for all area programs. (See Graph 1)

Of the 306,233 unduplicated clients with LOE forms, 81 percent (249,116) were either Level I or Level II. Among clients who were either Level I or Level II, 26 percent (65,680) were children and 74 percent (183,435) were adults. Across disability, Level I and II combined, the child/adult percentage ratio ranged from 8% child to 92% adult for substance abusers to 34% child to 66% adult for the developmentally disabled.

TABLE IV
PERSONS SERVED - FISCAL YEAR 1999
AGE/DISABILITY BY LOE LEVEL

	MENTALLY ILL		DEVELOP. DISABLED		SUBSTANCE ABUSE		TOTAL	
	CHILD	ADULT	CHILD	ADULT	CHILD	ADULT	CHILD	ADULT
LEVEL I	10,791	18,662	2,708	10,648	1,577	7,955	15,076	37,265
LEVEL II	42,618	91,744	4,071	2,308	3,915	52,118	50,604	146,170
LEVEL III	6,112	7,908	3,688	568	803	15,257	10,603	23,733
LEVEL IV	902	876	8,710	77	8,339	1,504	17,951	2,457
NONE	514	568	203	201	113	775	830	1,544
TOTAL	60,937	119,758	19,380	13,802	14,747	77,609	95,064	211,169

Note: The data reflected in Table IV represents unduplicated counts of persons served (excluding inactive status clients) based on LOE Level input.

NORTH CAROLINA STATE AREA PROGRAMS

****TOTAL PERSONS SERVED FY98-99**

TABLE 2-A

	TOTAL PERCENT	TOTAL NUMBER		TOTAL PERCENT	TOTAL NUMBER
TOTAL PERSONS SERVED	100.0%	325,081	TOTAL PERSONS SERVED	100.0%	325,081
<u>*AGE GROUPS</u>			<u>DIAGNOSIS (con't)</u>		
00-17	28.7%	93,385	No Mental Disorder	0.4%	1,163
18-24	10.7%	34,632	Delusional	0.3%	861
25-34	18.4%	59,709	Autism Pervasive	0.4%	1,277
35-44	21.3%	69,126	Anxiety	4.8%	15,670
45-54	11.3%	36,589	Somatoform	0.1%	378
55-64	5.3%	17,249	Dissociative	0.1%	185
65+	4.4%	14,391	Sexual	0.2%	699
			Other Non Psychological Disorders	0.4%	1,290
<u>SEX</u>			Other Problem	3.2%	10,448
Males	54.8%	178,050	Deferred	0.2%	798
Females	45.2%	146,800	Invalid Code	2.7%	8,687
Unknown	0.1%	231	Blank Not Reported	4.8%	15,501
<u>RACE</u>			<u>MARITAL STATUS</u>		
Asian	0.2%	624	Annulled	0.0%	3
Black	34.4%	111,787	Divorced	10.5%	34,287
White	61.3%	199,119	Married	17.1%	55,568
American Indian	1.5%	4,816	Separated	7.2%	23,376
Hispanic	1.4%	4,570	Single	59.3%	192,858
Unknown	1.3%	4,165	Widowed	2.7%	8,870
			Unknown	3.1%	10,119
<u>DIAGNOSIS</u>					
Alcohol Abuse	14.0%	45,561			
Mental Retardation	3.7%	11,981	<u>RACE/SEX</u>		
Schizophrenic	4.0%	12,867	Black Female	14.4%	46,831
Schizophreniform	0.1%	473	Black Male	20.0%	64,956
Schizoaffective	1.2%	4,015	White Female	30.8%	99,969
Bipolar	3.1%	9,966	White Male	34.9%	113,325
Adjustment	9.7%	31,688			
Personality & Other	1.4%	4,552			
Dysthymia	3.0%	9,778			
Major Depressive	12.6%	41,113			
Other Psychotic	1.6%	5,053			
Primary Degen. Dementia	0.2%	647			
Other Org. Mental Disord.	0.8%	2,533			
Conduct	5.2%	16,909			
Attention Deficit	4.6%	15,049			
Specific Development	1.6%	5,355			
Other Childhood	2.5%	8,092			
Eat Movement	0.1%	427			
Medication Induced Disorder	0.0%	25			
Vascul Dement	0.1%	386			
Substance Drug	12.2%	39,506			
Alcohol Related Or	0.7%	2,148			

*AGE FOR PERSONS SERVED WAS CALCULATED AS AGE AT 06-30-99.